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ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 9 April 1996 from the Permanent Mission of India to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of India to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* information concerning the launching of IRS-P3 (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

Annex

REGISTRATION DATA FOR INDIAN SPACE OBJECTS*

Name of space object:	IRS-P3
Date of launch:	21 March 1996
Place of launch:	Shriharikota, India
Basic orbital parameters:	Nodal period: 101.46 minutes Inclination: 98.78 degrees Apogee: 837 kilometers Perigee: 806 kilometers
Launch vehicle:	PSLV-D3 (Polar Satellite Launch Vehicle)
Launching organisation:	Indian Space Research Organisation
General function of space object:	Earth observation for land and ocean applications; and X-ray astronomical studies.

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Note verbale dated 18 April 1996 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit information concerning space objects launched by the Russian Federation during the period from November 1995 to February 1996 and concerning objects previously launched into Earth orbit which are no longer in orbit (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

*Annex**

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN NOVEMBER 1995

1. In November 1995, the Russian Federation launched the following space object:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2968	Gals (launched by a Proton carrier rocket from the Baikonur launch site)	17 November	36 186		0	1 442	The space object is designed to relay television programmes in the centimetre wavelength range to small receivers operated for professional, group or individual purposes.

2. At 2400 hours Moscow time on 30 November 1995, there were no space objects that had ceased to exist in Earth orbit in November 1995.

*The registration data are reproduced in the form in which they were received.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN DECEMBER 1995

1. In December 1995, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2969	Cosmos-2323	14 December	19 130		64.5	676	Operation as part of the GLONASS space navigation system.
2970	Cosmos-2324	14 December	19 130		64.5	676	" "
2971	Cosmos-2325	14 December	19 130		64.5	676	" "
2972	Progress M-30 (launched by a Soyuz carrier rocket from the Baikonur launch site)	18 December	236	190	51.6	88.5	Delivery to the Mir manned orbital station of consumables and various cargoes.
2973	Cosmos-2326 (launched by a Tsiklon-2 carrier rocket from the Baikonur launch site)	20 December	435	415	65	92.7	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.

Note: Space objects Cosmos-2323, Cosmos-2324 and Cosmos-2325 were launched by a single Proton carrier rocket from the Baikonur launch site.

2. The following space object ceased to exist in December 1995 and was no longer in Earth orbit at 2400 hours Moscow time on 31 December 1995: 1971-016A (Cosmos-398).

3. On 28 December 1995, the Indian satellite IRS-1C and the American satellite SKIPPER were launched into artificial Earth satellite orbit by a Russian Molniya carrier rocket from the Baikonur launch site (for the purpose of experiments to register ultraviolet and visible-band radiation at various flight altitudes of the space object and on its re-entry into the Earth's atmosphere).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JANUARY 1996

1. In January 1996, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2974	Cosmos 2327 (launched by a Cosmos carrier rocket from the Plesetsk launch site)	16 January	1 034	974	83	105	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.
2975	Gorizont (launched by a Proton carrier rocket from the Baikonur launch site)	25 January	36 599		1.23	1 478	Operation of telephone and telegraph radio-communications system and transmission of radio programmes.

2. The following space object ceased to exist in January 1996 and was no longer in Earth orbit at 2400 hours Moscow time on 31 January 1996: 1972-011A (Cosmos-476).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN FEBRUARY 1996

1. In February 1996, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2976	Gonets-1	19 February	1 430		82.6	114.3	This satellite from the Gonets series is designed to operate as part of the new low-orbit satellite communications system being set up under Russia's Federal Space Programme.
2977	Gonets-2	19 February	1 430		82.6	114.3	" "
2978	Gonets-3	19 February	1 430		82.6	114.3	" "
2979	Cosmos-2328	19 February	1 430		82.6	114.3	This space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.
2980	Cosmos-2329	19 February	1 430		82.6	114.3	" "
2981	Cosmos-2330	19 February	1 430		82.6	114.3	" "
2982	Raduga (launched by a Proton carrier rocket from the Baikonur launch site)	19 February	36 481	343	56	647	The Raduga communications satellite failed to reach the planned orbit.
2983	Soyuz TM-23 (launched by a Soyuz carrier rocket from the Baikonur launch site)	21 February	246	201	51.6	88.7	Transport to the Mir manned orbital station of a crew consisting of the cosmonauts Y.I. Onufrienko and Y.V. Usachev.
Note: The space objects Gonets-1, Gonets-2, Gonets-3, Cosmos-2328, Cosmos-2329 and Cosmos-2330 were launched by a single Tsiklon-3 carrier rocket from the Plesetsk launch site.							

2. The following space objects ceased to exist in February 1996 and were no longer in Earth orbit at 2400 hours Moscow time on 29 February 1996: 1995-048A (Soyuz TM-22) and 1995-071A (Progress M-30).

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 22 April 1996 from the Permanent Mission of Japan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Japan to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with the Convention on Registration of Objects Launched into Outer Space,* article IV, paragraph 1, has the honour to transmit information concerning the N-STARb satellite, which was launched in February 1996 (see annex).

Furthermore, in accordance with the same Convention, article IV, paragraph 3, the Permanent Mission of Japan has the honour to inform the Secretary-General that the Space Flyer Unit that was launched in March 1995, as announced in document ST/SG/SER.E/299 of 26 January 1996, is no longer in Earth orbit.

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

Annex

REGISTRATION DATA FOR JAPANESE SPACE LAUNCHES*

Name of object launched:	**N-STARb**
Name of launching State:	Japan (France, United States of America)
Designation:	1996-007A
Date of launch:	5 February 1996 (0719 hours GMT)
Location of launch :	Kourou Space Center, French Guiana

Basic orbital parameters (as of 8 March 1996):

Nodal period:	1,436 minutes
Inclination:	0.05 degrees
Apogee:	35,799 kilometers
Perigee:	35,774 kilometers

Launch vehicle:	Ariane Rocket Flight 83 (Ariane-44P)
Launching organisation:	Arianespace
General function of space object:	Domestic telecommunications

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 28 May 1996 from the Department of Foreign Affairs, Canada addressed to the Secretary-General

The Department of Foreign Affairs presents its compliments to the Secretary-General of the United Nations and, in compliance with its obligations under article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit information concerning the launch of RADARSAT I-A on 4 November 1995.

Additional data concerning the RADARSAT I-A satellite are provided in the annex.

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.96-84584T

Annex

REGISTRATION DATA FOR CANADIAN SPACE LAUNCHES*

Name of launching state:	Canada, United States of America
Designation:	RADARSAT I-A
Date of launch:	4 November 1995
Location of launch :	Vandenberg, California, United States of America
Launch vehicle:	Delta-II
Basic orbital parameters:	
	Nodal Period: 101.053 minutes Inclination: 98.574 degrees Apogee: 799.9 kilometers Perigee: 783.5 kilometers
General function of space object:	Remote Sensing - Earth Observation with enhanced imaging capabilities producing high resolution images of Earth's surface
Service Area:	Arctic Mode: essentially entire globe excluding South Pole to 79 degrees latitude Antarctic Mode: essentially the same as Arctic mode except that there is no coverage above about 79 degrees North latitude
Operating Entity:	Canadian Space Agency

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Note verbale dated 4 June 1996 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data for the United States space launches for the period November 1995-March 1996 (see annex).

*See General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.96-84590T

*Annex**

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 30 November, 1995.
All launches were made from the territory of the United States unless otherwise specified.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1995-059B	04 November 1995	109.7	100.6	1,495	936	Spacecraft engaged in investigation of spaceflight techniques and technology
1995-060A	06 November 1995	631.3	26.7	35,827	35,570	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1995-060B	06 November 1995	631.3	26.7	35,827	35,570	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
NONE						
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 30 November, 1995:						
NONE						

*The registration data are reproduced in the form in which they were received.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 30 November, 1995:						
1995-061A	12 November 1995	91.3	51.6	349	337	Reusable space transportation systems
The following objects identified in a previous report are no longer in orbit as of 2400Z 30 November, 1995:						
1969-082Y						
1978-026CL						
1985-025B						
1995-025B						
1995-056A						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 31 December, 1995.
All launches were made from the territory of the United States unless otherwise specified.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1995-065B	02 December 1995	No Current Elements				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-066A	05 December 1995	97.3	97.8	1,006	265	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1995-066B	05 December 1995	97.3	97.8	1,006	265	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074A	30 December 1995	96.2	22.9	583	565	Spacecraft engaged in investigation of spaceflight techniques and technology
1995-074B	30 December 1995	91.8	24.9	550	174	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074C	30 December 1995	95.7	22.9	575	532	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074D	30 December 1995	95.6	22.8	694	402	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074E	30 December 1995	95.5	23.1	625	463	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report:						
1995-043B						
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 December, 1995:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 December, 1995:						
NONE						
The following objects identified in a previous report are no longer in orbit as of 2400Z 31 December, 1995:						
1975-004HL						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 31 January, 1996.
All launches were made from the territory of the United States unless otherwise specified.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1996-002A	12 January 1996	655.3	6.9	36,969	258	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1996-003B	14 January 1996	103.6	25.3	1,476	393	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-003C	14 January 1996	661.2	21.0	36,099	1,360	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
NONE						
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 January, 1996:						
1995-074C	30 December 1995	95.6	23.1	630	468	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074D	30 December 1995	95.6	23.1	630	468	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1995-074E	30 December 1995	95.6	23.1	630	468	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 January, 1996:						
1996-001A	11 January 1996	90.6	28.4	310	301	Reusable space transportation systems
1996-001B	11 January 1996	90.6	28.4	310	301	Spacecraft engaged in investigation of spaceflight techniques and technology
The following objects identified in a previous report are no longer in orbit as of 2400Z 31 January, 1996:						
1995-074B						
1995-074D						
1995-074E						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 29 February, 1996.
All launches were made from the territory of the United States unless otherwise specified.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1996-006B	01 February 1996	191.6	21.9	89,256	211	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-008A	17 February 1996	No Current Elements				Spacecraft engaged in investigation of spaceflight techniques and technology
1996-008B	17 February 1996	157.8	26.0	6,421	173	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-008C	17 February 1996	No Current Elements				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-012A	22 February 1996	90.2	28.4	292	281	Reusable space transportation systems
1996-013A	24 February 1996	936.9	85.9	50,495	185	Spacecraft engaged in investigation of spaceflight techniques and technology
1996-013B	24 February 1996	95.4	85.9	895	182	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-013C	24 February 1996	937.3	85.9	50,509	189	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report:						
1995-059C	4 November 1995	109.6	100.6	1,503	943	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 29 February, 1996:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 29 February, 1996:						
NONE						
The following objects identified in a previous report are no longer in orbit as of 2400Z 29 February, 1996:						
NONE						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 31 March, 1996.
All launches were made from the territory of the United States unless otherwise specified.

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1996-014A	09 March 1996	101.2	90.0	837	806	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1996-014B	09 March 1996	101.2	90.0	837	806	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-018A	22 March 1996	92.3	51.6	396	387	Reusable space transportation systems
1996-019A	28 March 1996	356.9	34.9	20,387	192	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1996-019B	28 March 1996	94.7	35.1	555	454	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1996-019C	28 March 1996	355.4	34.9	20,293	192	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report:						
1966-077D	19 August 1966	165.0	88.3	6,052	1,143	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077E	19 August 1966	164.5	88.6	6,147	992	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077F	19 August 1966	166.0	88.6	5,726	1,560	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077G	19 August 1966	166.6	89.3	4,838	2,510	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077H	19 August 1966	164.4	88.2	6,131	1,005	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077J	19 August 1966	167.2	89.6	4,193	3,202	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1966-077K	19 August 1966	166.4	88.9	5,264	2,054	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1981-038D	24 April 1981	691.2	63.2	38,109	960	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report (cont.):						
1981-038E	24 April 1981	686.3	63.3	37,618	1,209	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1983-078C	31 July 1983	699.0	63.1	39,040	422	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1983-078D	31 July 1983	693.0	63.1	38,767	394	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1988-077P	02 September 1988	708.5	26.6	39,385	516	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1988-077Q	02 September 1988	712.9	26.8	39,606	510	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1988-077R	02 September 1988	726.2	26.6	40,286	489	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International Designation	Date of Launch	Basic Orbital Characteristics				General Function of Space Objects
		Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 March, 1996:						
NONE						
The following objects identified in a previous report are no longer in orbit as of 2400Z 31 March, 1996:						
1995-004C						
1996-012A						
1996-018A						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						